

Mario A. Rosato

1. **What is your current occupation?**

I am the owner of Sustainable Technologies srl , a SME based in NE Italy, active in the renewable energy sector, specially anaerobic digestion. The company provides laboratory services to biogas plants, precision instruments for R&D on anaerobic digestion, consultancy services and technical training.

2. **What is your educational background?**

Electric, electronic and environmental engineer, specialised in renewable energies, wastewater treatment, industrial plant engineering and metrology. Freelance scientific journalist specialised in renewable energies, environmental science, circular economy, and sustainable development.

3. **How did you learn of the challenge?**

From Innocentive's weekly newsletter. I've been solving challenges since 2010, and ranked among the top solvers in 2012.

4. **What caused you to respond to the challenge?**

I was born in a third-world country and know the difficulties of obtaining results with little or no means to do my job. My father and sister were researchers and sometimes they bought the instruments they needed from their pockets, I used to build my own tools and instruments from scrap. I'm keen in finding low-tech solutions for environmental problems and energy poverty, though based on solid technical basis. Challenges like this one are those where I can give the best of myself.

5. **Approximately how much time did you invest in creating your response to the challenge? (this does not need to be a precise answer – you can state your answer in hours or days or weeks. It is simply to get a feel for the level of effort necessary to win).**

I worked full-time on it during the holidays from Xmas to Epiphany. The most time-consuming aspect was drawing, I'm not keen with CAD software.

6. **How did you feel when you found out that you were a winner?**

Very happy, firstly for receiving recognition for my work, but mostly because after 1 year of COVID pandemics, I really needed the money of the price.

